Percents A

Name
Date

1.*** Define “percent” in terms of a fraction.

2.*** Define “simple interest”.

3.*** Write the Percent Proportion.

4.*** Write the Percent of Change Proportion.

5.*** Write the Percent of Error Proportion.

6.*** Write the Simple Interest Formula and label the parts.

7.** Convert 17% to a fraction.

8.** Convert 9% to a decimal.

9.** Convert $\frac{3}{5}$% to a fraction.

10.** Convert 0.05% to a decimal.

11.** Convert 18/25 to a percent.

12.** Convert 0.4 to a percent.

13.** Dave reported that 7 out of 35 members of the club paid their dues. What percent paid their dues?

14.** Bob received a 75% on a test that had 24 questions. How many did he have correct?

15.** Twenty percent of the sophomore earned straight A's. If 136 students received awards for that accomplishment, how many students are in the sophomore class?

16.** A house that sells for $92,000 requires a 20% down payment. What is the amount of the down payment?

17.** Last year Ernie earned $25, 000. His new job pays $28,000, what percent raise did he receive?

18.** A store drops the price of a certain type of radio 25% to a sale price of $68. What was the original price of the radio?

19.** If Juan borrowed $1500 for 2 years at 8% interest, how much would he have to pay back to satisfy the loan?

20. Guillermo placed $900 in the bank for 4 months earning 5% interest, how much money will he earn after 4 months?

21.** John estimates the weight of a gallon of water is 5 pounds (lbs). The actual weight of a gallon of water is 7 pounds. Find the percent error.

22.* SBAC A car is purchased for $18,000. If each year the car depreciates by 10% of it's value the preceding year, what will be its value at the end of three years?

23.* SBAC The price of a suit that sold for $100 was reduced by 25%. By what percent must the price be increased to bring the price back to $100?

24.*SBAC A store owner buys a compact stereo for $300. She wants to price it so she can offer a 20% discount off the posted price and make a profit of 25% of the price she paid. What will the posted price of the stereo be?

25.*** Provide parent/guardian information; phone, cell phone, email, etc. (CHP)